

Application # 09/758,573
Submitted June 15, 2004
Reply to Office Action of December 15, 2003

II. REMARKS/ARGUMENTS

3. The Office Action dated December 11, 2003 has been carefully considered. Reconsideration of this application, in view of the amendments and following remarks, is respectfully requested.

A. Amendments to Claims 1, 11, 21 and Cancellation of Claim 10

4. Claim 1 has been amended to include the limitation initially incorporated in claim 10 and to more precisely state the details of the copying method of the present invention.

5. Claim 10 has been cancelled because its limitation has been incorporated into claim 1.

6. Claims 11 and 21 have been amended to be dependent on claim 1, instead of claim 10, which has been canceled. Note that the scope of these claims has not been broadened by this amendment because claim 1 has been amended to include the original limitation of claim 10 upon which claims 11 and 21 were dependent.

B. Amendment to Claim 12

7. Claim 12 has been written in independent form and now explicitly includes the elements of the original claim 1. It now states the details of the use of the additional extra buffer of the method of the present invention.

C. Amendment to Claim 16

8. Claim 16 has been amended to state the details of the use of the additional extra buffer in the means of copying of the present invention.

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D. New Claims 22 through 34

9. New claims 22 through 34 have been added. These claims do not include new matter in that each of the elements are found in the original claims and specification (see original claims 16 through 20, the abstract, and "Processing Speed Improvements-Fig 3A to 3C" starting on page 7 of the specification.

II. Cited Prior Art Does Not Make Present Invention Obvious

10. Each of the original independent claims has been amended to more precisely claim the details of the invention as originally disclosed in the specification. Claim 12, which is now independent, has likewise been amended. The new claims added with this response also incorporate the novel and non-obvious details of the present invention.

11. The references cited by the Office Action do not teach or make obvious the elements of the claims as now presented.

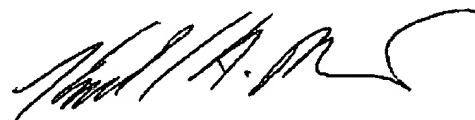
12. As explained in the specification the use of I/O RAM and memories with caching were known. The automatic copying of data from memory to a level 1 or level 2 cache is not the copying claimed by this invention. As stated in the abstract, this invention is directed to explicit "copying image data from input memory to main memory before performing CPU intensive operations, such as image enhancement, compression, or encryption" and "copying image data from main memory to output memory after performing CPU intensive operations, such as decryption, decompression, image enhancement, or reformatting". As stated in the "Not Obvious" section starting on page 8 of the specification, "speed improvement yielded by this invention was not obvious to one skilled in the art of computer programming" because the making of an extra second copy of the data would have been considered to be overhead and adverse to performance.

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III. Reconsideration Requested

13. The undersigned respectfully submits that, in view of the foregoing amendments and remarks, the rejections of the claims raised in the Office Action have been fully addressed and overcome, and the present application is believed to be in condition for allowance. It is respectfully requested that this application be reconsidered, that these claims be allowed, and that this case be passed to issue. If it is believed that a telephone conversation would expedite the prosecution of the present application, or clarify matters with regard to its allowance, the Examiner is invited to call the undersigned inventor at 408-739-9517.

Respectfully submitted,



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